REMARKS

These comments are responsive to the Office Action dated July 30, 2007. The Office

Action rejected claims rejected claims 24 and 25 under 35 U.S.C. § 102(b) being anticipated by

Sauer et al. (US Pat. No. 5,969,758) and rejected claims 1-3 under 35 U.S.C. § 103(a) as being

unpatentable over Fossum et al. (Pat. No. 5,841,126) in view of Sauer, with claim 4 further in

view of Koyama et al. (Pat. No. 5,786,713).

<u>Interview</u>

The Examiner is thanked for the telephonic interview with the undersigned on November

28, 2007, at which Supervisory Examiner Ngoc Yen Vu was also present. The differences

between the present application and the prior art, particularly the Sauer reference, were discussed

with reference to Figures 2 and 3 of the present application. It was agreed that the techniques of

the present application differed from what is found in the prior art, at least that prior art as

presented so far. Independent claim 24 was also briefly discussed and it was suggested that

amending it along the lines that have now been done would help clarify the distinctions over the

prior art.

Claims 24, 25, and 28

The Office Action rejected claims rejected claims 24 and 25 under 35 U.S.C. § 102(b)

being anticipated by Sauer et al. (US Pat. No. 5,969,758). Although both the present application

and Sauer both present image sensing techniques that use correlated double sampling, it is

respectfully submitted that the present invention as embodied in claim 24 includes features that

are neither taught nor suggested in Sauer or, as far as is known, in the prior art generally.

These differences are differences are reflected in claim 24, which has been amended

somewhat for clarity and its first two elements now read as:

detecting that the first signal is slewing excessively rapidly during the first

interval; and

in response to said detecting, limiting the value of the reset sample;

The emphasis is added to highlight some of the differences from Sauer that were discussed

above. Further, it should be noted that the last clause of claim 24 reads "abating an error in the

luminance signal for said pixel" [emphasis added].

EFS Filing

Attorney Docket No.: ZRAN.022US0

Application No.: 10/053,111

-4-

As discussed during the interview, Sauer is not concerned with "first interval" and the

"reset sample" determined for correlated doubled sampling during this "first interval" of a

sampling cycle, but is rather concerned with the second sample taken later during the sampling

cycle. Further, Sauer does not detect that a signal is "slewing excessively rapidly", but instead

just looks at the amplitude of the signal and clamps its value so that it can not go to a negative

voltage. Additionally, in the cited location Sauer is concerned with "blooming", which occurs

when oversaturation conditions spread to other, adjacent pixels, and is not an error in the pixel

itself.

Consequently, for at least these reasons, it is respectfully submitted that a rejection of

claim 24 and dependent claim 25 under 35 U.S.C. § 102(b) being anticipated by Sauer is not

well-founded and should be withdrawn. New independent claim 28 contains many elements

similar to claim 24 and is similarly believed allowable.

Claims 1-4 and 27

Claim 1 has also been amended to further highlight its distinctions over the prior art and

its last element now reads as:

clamping, by a clamp circuit, at least one signal selected from the sampled

signals during a reset phase of the correlated double sampler in response to a detecting of at least one over-saturation condition, whereby image inversion is at least partially

abated.

The emphasis has been added to highlight some of the difference from the prior art that have

been discussed above. The "clamping" of claim I occurs during the reset phase of the correlated

double sampler; in the cited references, the clamping is instead later in the integration period.

Additionally, the clamping of claim 1 is to prevent image inversion (where what should be an

oversaturated pixel appears dark) in a pixel, whereas the references do not consider image

inversion but blooming, where the over saturation of one pixel spreads to other pixel also making

them appear to be overexposed.

Consequently, for at least these reasons, it is respectfully submitted that the Office

Action's rejection of claim 1 and dependent claims 2-4 and 27 is not well-founded and should be

withdrawn.

EFS Filing

Attorney Docket No.: ZRAN.022US0

- 5 -

Conclusion

Accordingly, it is believed that this application is now in condition for allowance and an early indication of its allowance is solicited. However, if the Examiner has any further matters that need to be resolved, a telephone call to the undersigned would be appreciated.

FILED VIA EFS

Respectfully submitted,

Michael G. Cleveland

Reg. No. 46,030

December 28, 2007

Application No.: 10/053,111

Date

DAVIS WRIGHT TREMAINE LLP

505 Montgomery Street, Suite 800

San Francisco, California 94111-6533

Telephone: (415) 276-6500 Facsimile: (415) 276-6599

Email: MichaelCleveland@dwt.com